



U.S. DEPARTMENT OF LABOR

WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS

MATERIAL SAFETY DATA SHEET

FORM NO. OSHA-20 (MODIFIED)

THE PROPRIETARY PRODUCT FORMULATION DATA
SUBMITTED ON THIS FORM IS FOR APPROPRIATE
OCCUPATIONAL SAFETY & HEALTH RELATED USAGE
ONLY. OTHER USE OR DISCLOSURE TO THIRD PAR-
TIES MAY RESULT IN LEGAL ACTION AGAINST THE
VIOLATOR BY HEXCEL CORPORATION.

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME

HEXCEL CORPORATION - Chemical Products Division

EMERGENCY TELEPHONE NO.
(213) 882-3022

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)

20701 Nordhoff Street - Chatsworth, CA. 91311

N.K. Hankins

CHEMICAL NAME AND SYNONYMS

TRADE NAME AND SYNONYMS

PARAPLAST® 8100 (Formerly Paraplast 33)

CHEMICAL FAMILY

Sodium Nitrite Mixture

FORMULA

SECTION II: HAZARDOUS INGREDIENTS*

	%	TLV (UNITS)		%	TLV (UNITS)
Potassium Nitrate	40-50				
Sodium Nitrite	30-40				
Sodium Nitrate	0-10				
Calcium Oxide	10-20				
Calcium Hydroxide	0-10				

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*

PARAPLAST 8100 is a nitrate/nitrite mixture and under proper conditions can be an oxidizer. Do not use in melting pots containing cyanide or cyanide compounds.

Do not mix with inorganic acids. Do not add acid to PARAPLAST 8100. Do not add any other material to PARAPLAST-explosive and toxic mixtures may result.

SECTION III: PHYSICAL DATA

BOILING POINT (°F) Melting point	300-330°F	SPECIFIC GRAVITY (H ₂ O = 1)	Solid - 2.10
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	Soluble		
APPEARANCE AND ODOR	Dry free flowing pink colored powder		

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	N/A	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	CO ₂ , water fog		

SPECIAL FIRE FIGHTING PROCEDURES

Do not pour or direct large streams of water directly upon molten PARAPLAST.

USUAL FIRE AND EXPLOSION HAZARDS

Magnesium when PARAPLAST 8100 is in molten state.

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not established.

EFFECTS OF OVEREXPOSURE

Avoid excessive inhalation of dust. Powder may irritate eyes and act as skin sensitizer on certain sensitive persons.

EMERGENCY AND FIRST AID PROCEDURES

Powder: Wash away with soap and water. Molten: Remove from skin and treat skin for ordinary burn. Ingestion: Use emetic to purge stomach. Consult a physician.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Moisture contamination
COMPATIBILITY (MATERIALS TO AVOID)			
Magnesium and organic materials when PARAPLAST is in molten state.			

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of Nitrogen

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wash away powder or solidified material with detergent and water.

WASTE DISPOSAL METHOD

Buried landfill

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

NIOSH suggested face masks for dusts and powders.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL) Preferred	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
Rubber and/or asbestos gloves		Eye goggles or face shield

OTHER PROTECTIVE EQUIPMENT

Recommend use of rubber aprons.

SECTION IX: SPECIAL PRECAUTIONS

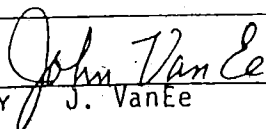
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool dry area. Avoid moisture contamination.

OTHER PRECAUTIONS

Avoid contact with skin or clothing.

PREPARED BY


J. Van Ee

10/22/80

DATE